

#2
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,601

DATE: 04/02/2001

TIME: 10:57:08

Input Set : A:\29471.app

Output Set: N:\CRF3\04022001\I810601.raw

3 <110> APPLICANT: Donovan, Stephen
5 <120> TITLE OF INVENTION: Composotions and Methods for Treating Gonadotrophin
6 Related Illnesses
8 <130> FILE REFERENCE: 29471
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/810,601
11 <141> CURRENT FILING DATE: 2001-03-15
13 <160> NUMBER OF SEQ ID NOS: 44
15 <170> SOFTWARE: PatentIn Ver. 2.1
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19 <212> TYPE: PRT
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25 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu; PYRROLIDONE
26 CARBOXYLIC ACID
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40 Release Hormone Analogue
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43 <221> NAME/KEY: MOD_RES
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49 <221> NAME/KEY: MOD_RES
50 <222> LOCATION: (10)
51 <223> OTHER INFORMATION: Xaa at position 10 is Gly-NH2; AMIDATION;
53 <300> PUBLICATION INFORMATION:
54 <310> PATENT DOC NO: 5631226
55 <311> PATENT FILING DATE: 1993-07-07
56 <312> PUBLICATION DATE: 1997-05-20
58 <300> PUBLICATION INFORMATION:
59 <301> AUTHORS: Rousselle, Christophe
60 <303> JOURNAL: Mol. Pharmacol.
61 <304> VOLUME: 57
62 <306> PAGES: 679-686
63 <307> DATE: 2000
65 <400> SEQUENCE: 2

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77 Release Hormone Analogue
79 <220> FEATURE:
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81 <222> LOCATION: (1)
82 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu; PYRROLIDONE
83 CARBOXYLIC ACID
85 <220> FEATURE:
86 <221> NAME/KEY: MOD_RES
87 <222> LOCATION: (10)
88 <223> OTHER INFORMATION: Xaa at position 10 is ethylamide;;
90 <300> PUBLICATION INFORMATION:
91 <310> PATENT DOC NO: 5631226
92 <311> PATENT FILING DATE: 1993-07-07
93 <312> PUBLICATION DATE: 1997-05-20
95 <300> PUBLICATION INFORMATION:
96 <301> AUTHORS: Rousselle, Christophe
97 <303> JOURNAL: Mol. Pharmacol.
98 <304> VOLUME: 57
99 <306> PAGES: 679-686
100 <307> DATE: 2000
102 <400> SEQUENCE: 3
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104 1 5 10
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114 Release Hormone Analogue
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124 <222> LOCATION: (10)
125 <223> OTHER INFORMATION: Xaa at position 10 is Aza-Gly-NH2;
127 <300> PUBLICATION INFORMATION:
128 <310> PATENT DOC NO: 5631226

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Input Set : A:\29471.app

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129 <311> PATENT FILING DATE: 1993-07-07
130 <312> PUBLICATION DATE: 1997-05-20
132 <300> PUBLICATION INFORMATION:
133 <301> AUTHORS: Rousselle, Christophe
134 <303> JOURNAL: Mol. Pharmacol.
135 <304> VOLUME: 57
136 <306> PAGES: 679-686
137 <307> DATE: 2000
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155 <222> LOCATION: (1)
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161 <222> LOCATION: (10)
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164 <300> PUBLICATION INFORMATION:
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166 <311> PATENT FILING DATE: 1993-07-07
167 <312> PUBLICATION DATE: 1997-05-20
169 <300> PUBLICATION INFORMATION:
170 <301> AUTHORS: Rousselle, Christophe
171 <303> JOURNAL: Mol. Pharmacol.
172 <304> VOLUME: 57
173 <306> PAGES: 679-686
174 <307> DATE: 2000
176 <400> SEQUENCE: 5
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187 <223> OTHER INFORMATION: Description of Artificial Sequence: Gonadotrophin
188 Release Hormone Analogue
190 <220> FEATURE:
191 <221> NAME/KEY: MOD_RES

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PATENT APPLICATION: US/09/810,601 TIME: 10:57:08

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201 <300> PUBLICATION INFORMATION:
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203 <311> PATENT FILING DATE: 1993-07-07
204 <312> PUBLICATION DATE: 1997-05-20
206 <300> PUBLICATION INFORMATION:
207 <301> AUTHORS: Rousselle, Christophe
208 <303> JOURNAL: Mol. Pharmacol.
209 <304> VOLUME: 57
210 <306> PAGES: 679-686
211 <307> DATE: 2000
213 <400> SEQUENCE: 6
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225 Release Hormone Analogue
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233 <220> FEATURE:
234 <221> NAME/KEY: MOD_RES /
235 <222> LOCATION: (10) /
236 <223> OTHER INFORMATION: Xaa at position 10 is Aza-Gly-NH2;
238 <300> PUBLICATION INFORMATION:
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240 <311> PATENT FILING DATE: 1993-07-07
241 <312> PUBLICATION DATE: 1997-05-20
243 <300> PUBLICATION INFORMATION:
244 <301> AUTHORS: Rousselle, Christophe
245 <303> JOURNAL: Mol. Pharmacol.
246 <304> VOLUME: 57
247 <306> PAGES: 679-686
248 <307> DATE: 2000
250 <400> SEQUENCE: 7
W--> 251 Xaa His Trp Ser Tyr Lys Leu Arg Pro Xaa
252 1 5 10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,601

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Input Set : A:\29471.app
Output Set: N:\CRF3\04022001\I810601.raw

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262 Release Hormone Analogue
264 <220> FEATURE:
265 <221> NAME/KEY: MOD_RES
266 <222> LOCATION: (1)
267 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu; PYRROLIDONE
268 CARBOXYLIC ACID
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272 <222> LOCATION: (6)
273 <223> OTHER INFORMATION: Xaa at position 6 is D-Lys
275 <220> FEATURE:
276 <221> NAME/KEY: MOD_RES
277 <222> LOCATION: (10)
278 <223> OTHER INFORMATION: Xaa at position 10 is Gly-NH₂; AMIDATION
280 <300> PUBLICATION INFORMATION:
281 <310> PATENT DOC NO: 5631226
282 <311> PATENT FILING DATE: 1993-07-07
283 <312> PUBLICATION DATE: 1997-05-20
285 <300> PUBLICATION INFORMATION:
286 <301> AUTHORS: Rousselle, Christophe
287 <303> JOURNAL: Mol. Pharmacol.
288 <304> VOLUME: 57
289 <306> PAGES: 679-686
290 <307> DATE: 2000
292 <400> SEQUENCE: 8
W--> 293 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Xaa
294 1 5 10
297 <210> SEQ ID NO: 9
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299 <212> TYPE: PRT
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304 Release Hormone Analogue
306 <220> FEATURE:
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308 <222> LOCATION: (1)
309 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu; PYRROLIDONE
310 CARBOXYLIC ACID;
312 <220> FEATURE:
313 <221> NAME/KEY: MOD_RES
314 <222> LOCATION: (6)
315 <223> OTHER INFORMATION: Xaa at position 6 is D-Lys

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/810,601

DATE: 04/02/2001
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Input Set : A:\29471.app
Output Set: N:\CRF3\04022001\I810601.raw

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L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
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L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
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L:866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
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L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:1103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:1177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
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L:1414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40